

Mouse RPS6KB1 Monoclonal Antibody | anti-RPS6KB1 antibody

RPS6KB1 (Ribosomal Protein S6 Kinase, 70kD, Polypeptide 1, PS6K, S6K, S6K1, STK14A, p70(S6K)-alpha, p70-S6K, p70-alpha) (FITC)

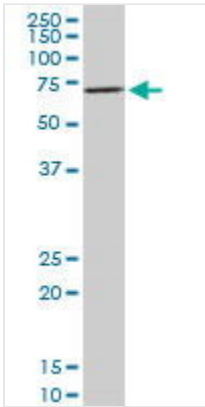
CATALOG # AAA26369	HOST Mouse	APPLICATIONS Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

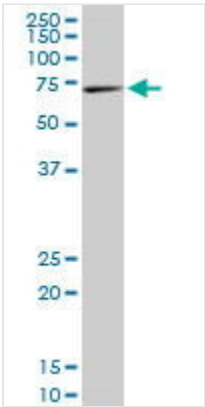
RPS6KB1; Monoclonal Antibody; RPS6KB1 (Ribosomal Protein S6 Kinase; 70kD; Polypeptide 1; PS6K; S6K; S6K1; STK14A; p70(S6K)-alpha; p70-S6K; p70-alpha) (FITC); Ribosomal Protein S6 Kinase; p70-alpha; anti-RPS6KB1 antibody

PRODUCT SPECIFICATIONS

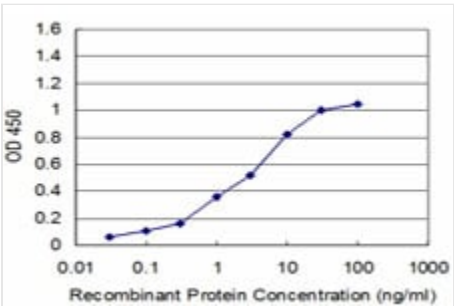
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2C2
Specificity	Recognizes RPS6KB1.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Applicable Applications for anti-RPS6KB1 antibody	IF (Immunofluorescence), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	RPS6KB1 (NP_003152, 416aa-525aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	PSVLESVKEKFSFEPKIRSPRRFIGSPRTPVSPVKFSPGDFWGRGASASTANPQTPVEYPMETSGIEQMDVTMSGEASAPLPIRQPNSGPYKKQAFPMIS
Conjugate	FITC
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in PBS. FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



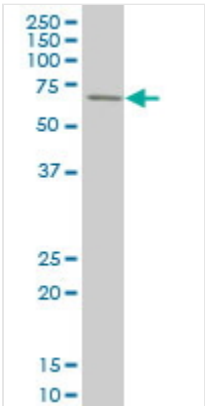
WB (Western Blot)
RPS6KB1 monoclonal antibody (M03), clone 2C2. Western Blot analysis of RPS6KB1 expression in PC-12.



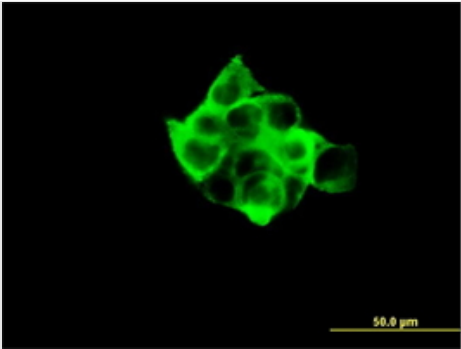
WB (Western Blot)
RPS6KB1 monoclonal antibody (M03), clone 2C2. Western Blot analysis of RPS6KB1 expression in NIH/3T3.



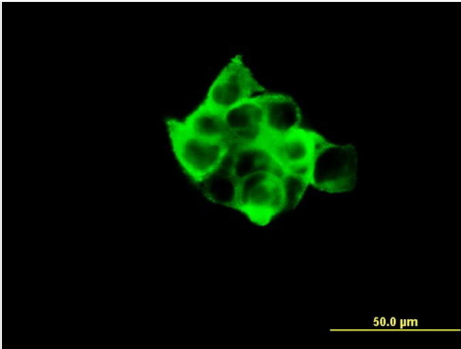
Application Data
Detection limit for recombinant GST tagged RPS6KB1 is approximately 0.1ng/ml as a capture antibody.



WB (Western Blot)
RPS6KB1 monoclonal antibody (M03), clone 2C2 Western Blot analysis of RPS6KB1 expression in A-431 (Cat # L015V1).



IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to RPS6KB1 on A-431 cell. [antibody concentration 10 ug/ml]



IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to RPS6KB1 on A-431 cell. [antibody concentration 10 ug/ml]

ADDITIONAL INFORMATION

Related Product Information for anti-RPS6KB1 antibody	This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 non-identical kinase catalytic domains and phosphorylates several residues of the S6 ribosomal protein. The kinase activity of this protein leads to an increase in protein synthesis and cell proliferation. Amplification of the region of DNA encoding this gene and overexpression of this kinase are seen in some breast cancer cell lines. Alternate translational start sites have been described and alternate transcriptional splice variants have been observed but have not been thoroughly characterized. [provided by RefSeq]
Product Categories/Family for anti-RPS6KB1 antibody	Antibodies; Ribosomal Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506737
NCBI GeneID	6198
NCBI Accession #	NP_003152
NCBI GenBank Nucleotide #	NM_003161.3
UniProt Accession #	P23443; Q7Z721; B2R779; B4DLT4; B4DTG1; E7ESB8; F6UYM1
Molecular Weight	60.2kDa (533aa) 70-100kDa (SDS-PAGE under reducing conditions.)
NCBI Official Full Name	ribosomal protein S6 kinase beta-1 isoform a
NCBI Official Synonym Full Names	ribosomal protein S6 kinase B1
NCBI Official Symbol	RPS6KB1
NCBI Official Synonym Symbols	S6K; PS6K; S6K1; STK14A; p70-S6K; p70 S6KA; p70-alpha; S6K-beta-1; p70(S6K)-alpha
NCBI Protein Information	ribosomal protein S6 kinase beta-1
UniProt Protein Name	Ribosomal protein S6 kinase beta-1
UniProt Gene Name	RPS6KB1
UniProt Synonym Gene Names	STK14A; S6K-beta-1; S6K1; P70S6K1; p70-S6K 1; p70 S6 kinase alpha; p70 S6K-alpha; p70 S6KA
UniProt Entry Name	KS6B1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/rps6kb1-antibody-clone-2c2-immunofluorescence-western-blot-elisa/26369>